



STEM Careers

Botanist

Job Description: Study plants and their environment.

What does a Botanists do?

- Study relationships between plants and humans, including how humans use plants. (Ethnobotanist)
- Collect data about rare plant species and work to protect those species.
- Research plant diseases to help increase fruit crop yields.
- Help feed the world by genetically engineering drought-tolerant crops.
- Genetically engineer new varieties of roses.
- Develop new or improved methods and products for controlling and eliminating weeds, crop diseases, and insect pests.
- Conduct experiments regarding causes of bee diseases and factors affecting yields of nectar and pollen.
- Communicate plant research and project results to the public or teach related courses, seminars or workshops.

Your Interests:

- Do you like to examine things under a microscope?
- Do you like hiking or being in nature?
- Are you good at organizing and classifying things?

Outlook: **Green**

Average Salary - \$28.45 hourly, \$59,180 annual

Projected Job Openings – 7,000 over the next 10 years

Education/Program of Study:

- Bachelor's Degree in Biology, Biochemistry, Agriculture, Horticulture or related field
- Master's Degree is required for applied research and managerial positions
- Ph.D. is necessary for independent research

Sources:

http://quest.arc.nasa.gov/people/cfs/generic/botanist_140.pdf

http://www.sciencebuddies.org/science-fair-projects/science-engineering-careers/PlantBio_soilandplantscientist_c001.shtml?From=testb

<http://www.onetonline.org/link/summary/19-1013.00>